

Самостоятельная работа 1

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Группа: 1.2

Задание 1.4: Развертывание БД MariaDb с помощью Docker

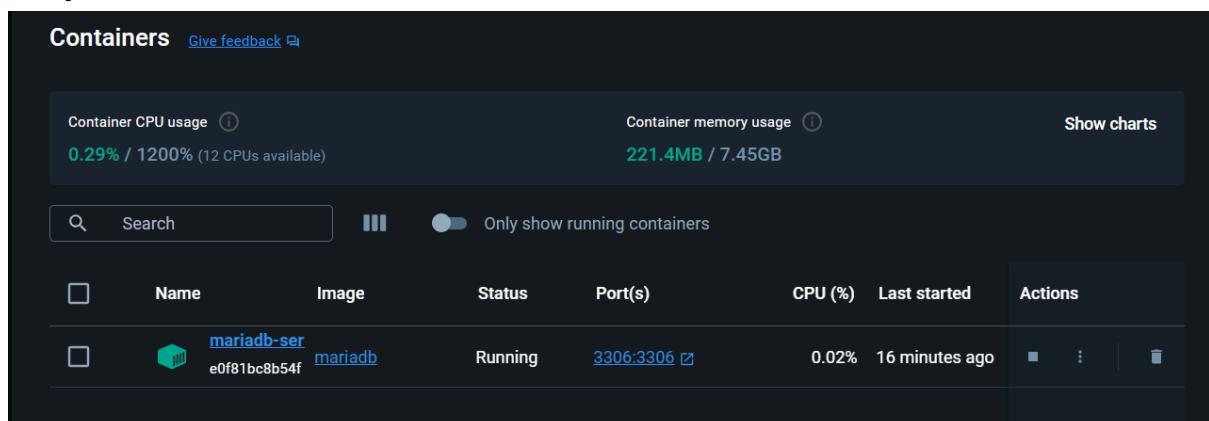
Выполнил команду для развертывания БД MariaDB с помощью Docker.

```
docker run --name mariadb-server -e  
MYSQL_ROOT_PASSWORD=my-secret-pw -p 3306:3306 -d mariadb
```

Основные части данной команды:

1. **docker run** — команда запуска Docker-контейнера.
2. **--name mariadb-server** — дает контейнеру имя mariadb-server.
3. **-e MYSQL_ROOT_PASSWORD=my-secret-pw** — устанавливает пароль для пользователя root.
4. **-p 3306:3306** — прокидывает порт 3306 из контейнера в хост-систему.
5. **-d mariadb** — указывает Docker загрузить образ mariadb и запустить его в качестве демона.

Результат:



MySQL Workbench

mariadb-server - Warning - no...

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1 Administration - Server Status

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Connection Name: mariadb-server

Host: e0f81bc8b54f

Socket: /run/mysqld/mysqld.sock

Port: 3306

Version: 11.3.2-MariaDB-1:11.3.2+maria~ubu2204 (mariadb.org binary distribution)

Compiled For: debian-linux-gnu (x86_64)

Configuration File: unknown

Running Since: Tue May 28 16:05:55 2024 (0:00)

Refresh

Available Server Features

Performance Schema:	<input type="radio"/> Off	Windows Authentication:	<input type="radio"/> Off
Thread Pool:	<input type="radio"/> n/a	Password Validation:	<input type="radio"/> n/a
Memcached Plugin:	<input type="radio"/> n/a	Audit Log:	<input type="radio"/> n/a
Semisync Replication Plugin:	<input type="radio"/> Off	Firewall:	<input type="radio"/> n/a
SSL Availability:	<input checked="" type="radio"/> On	Firewall Trace:	<input type="radio"/> n/a

Server Directories

Base Directory:	/usr
Data Directory:	/var/lib/mysql/
Disk Space in Data Dir:	Could not determine
Plugins Directory:	/usr/lib/mysql/plugin/
Tmp Directory:	/tmp

Output

Action Output

#	Time	Action	Message	Duration / Fetch
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SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

MySQL Workbench

mariadb-server - Warning - no...

File Edit View Query Database Server Tools Scripting Help

Navigator: Administration - Server Status SQL File 3

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Administration Schemas

Information

No object selected

1 CREATE DATABASE mydb;

2 SHOW DATABASES;

Result Grid

Database
information_schema
mydb
mysql
performance_schema
sys

Result 2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:24:05	SHOW DATABASES	4 row(s) returned	0.000 sec / 0.000 sec
2	16:24:27	CREATE DATABASE mydb	1 row(s) affected	0.000 sec

SQLAdditions

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Context Help Snippets